

REMARKS

Claim 9 is now amended to recite an isolated "and purified" *Lawsonia intracellularis* outer membrane protein, immunoreactive with antisera to SEQ ID NO: 2 and having a molecular weight of about 37 kD "as determined by sodium dodecyl sulphate polyacrylamide gel electrophoresis." It is submitted that no cited reference teaches or suggests this protein. They in fact disclose other distinct outer membrane proteins measured by the same methods, but not this one, which applicants have discovered and found useful.

Favorable action is solicited.

Respectfully Submitted,



William M. Blackstone
Attorney for Applicants
Registration No. 29,772

Akzo Nobel Pharma Patent Department
29160 Intervet Lane
P.O. Box 318
Millsboro, DE 19966
Tel: (410) 464-0581
Sec: (302) 934-4327
Fax: (302) 934-4305